Ad. No: .....
Name: .....

DARUL HUDA EXAMINATION BOARD
ANNUAL EXAMINATION - MARCH 2023
SECONDARY FIRST YEAR (I)

Time: 2 hr(s) **MATHEMATICS** **Marks: 70**

I. Find the answer 1*5=5

1. What fraction of a day is 8 hours?
2. Subtract following integers 5/6 - 2/6
3. Add following decimals 0.75+10.425+2.
4. Put an appropriate sign 3/6 ..... 5/6
5. Write in place value table 205.9

II. Match the following 1*5=5

1. Fraction	0.5
2. Geometry	7/2
3. Improper	1/2
4. Decimal	Area
5. Algebra	1+2=3
	M+6=10

III. Answer any *ten* questions from the following 2*10=20

1. With the same centre O, draw two circles of radii is 4cm and 2.5cm.
2. Draw an angle of measure 135degree and bisect it.
3. Find the perimeter of a triangle with sides measuring 10cm, 14cm, and 15cm.
4. Draw angle POQ of measure 75degree and find its bisector.
5. Express the rupees and meters using decimals

75 Paisa, 725 Paisa, 419 cm, 2m 45 cm

6. Solve this a) Y+4=15. b) Z-3=14
7. Two sides of triangle are 12cm and 14cm, the perimeter of the triangle is 36cm. What is its third side?
8. Construct with ruler and compasses. 1) 135^0 2) 45^0
9. Reduce the following fraction to simplest form 1) 150/60 2) 12/52.
10. Construct a line segment of length 4.8 cm using ruler and compass
11. Fadil purchased 5kg 400g rice, 2kg 20g sugar and 10kg 850g flour. Find the total weight of his purchase.

IV. Answer any *eight* questions from the following 5*8=40

1. The area of a rectangular garden 50 m long is 300sq m. Find the width of the garden.
2. Two sides of triangle are 12cm and 14cm, the perimeter of the triangle is 36cm. What is its third side?
3. Draw a circle of radius 4cm, draw any two of its chords and construct the perpendicular bisector of these chords. Where do they meet?
4. Draw any line segment PQ, take any point R not on it, through R and draw a perpendicular to PQ. Use ruler and set square.
5. Express the mixed fraction as improper fraction
   4 2/7 6 7/4 2 5/8 10 2/7
6. Add following integers 5/8+6/4 13/7+2/7 1 1/3+3 2/3 4/5+3 5/6
7. Draw a line segment of length 12.8cm. Using a compass, divide it into four equal parts. Verify by actual measurements.
8. A room is 4 m long and 4 m wide, how many square meters of carpet it's needed to cover the floor of the room.
9. Write the natural numbers between from 102 to 113. What fraction of them are prime numbers.
10. Express the following as mixed fraction 16/5. 13/4. 89/8. 12/7